

Material Safety Data Sheet

DUET® Dual-action Adulticide

Date last revised: 10 October, 2005

Ingestion: Harmful if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung injury. If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. DO NOT induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

Chronic: None known

NOTES TO PHYSICIAN: Contains pyrethroids and petroleum distillates; vomiting may pose an aspiration pneumonia hazard. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E).

VI. Reactivity Data

Stable:	YES
Incompatibility	Strong acidic or alkaline materials. Not compatible with strong oxidizers.
Hazardous Polymerization:	NO

VII. Environmental Protection Procedures

Spill Response: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. For large spills, collect product into drums, storage tanks, etc. via drains, pumps, etc. Absorb with appropriate absorbent such as sand, or vermiculate. Clean spill area of residues and absorbent.

Environmental Precautions: Water Spill: Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

Storage: Store in a cool, dry place. Keep container closed. Do not contaminate water, food or feedstuffs by storage, handling, or by disposal.

Disposal Considerations: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent) empty containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and Local procedures

RCRA/EPA Waste Information: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40 CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4).

VIII. Special Protection Information

Exposure Guidelines (TWA)	OSHA PEL	ACGIH TLV	Supplier OEL
Prallethrin (ETOC®)	None	None	None
d-Phenothrin (Sumithrin®)	None	None	None
Piperonyl Butoxide	None	None	None
Aromatic Hydrocarbon	None	None	17 ppm - 100 mg/m3
Hydrotreated Paraffinic Oil	5 mg/m3	5 mg/m3	None

Eye Protection: Take prudent precautions to avoid contact with eyes.

Skin Protection: Take prudent precautions to avoid contact with skin and clothing.

Respiratory Protection: Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/or spray mists of this product.

Engineering Controls: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

Work/Hygienic Practices: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

IX. Toxicological Information

Acute Dermal LD50 > 5000 mg/kg (albino rabbit)	Acute Oral LD50 > 5000 mg/kg (albino rat)
Inhalation LC50: The acute inhalation LC50 of this material places it in EPA toxicity category IV.	
Eye Effects: Irritation clearing in 24 hours.	
Skin Effects: Slight irritation at 72 hours. Irritation index = 0.9	
Sensitization: Negative; Not considered to be a dermal sensitizer.	

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as being carcinogens.

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X. Additional Regulatory Information

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories:

FIRE: NO	PRESSURE GENERATING: NO	REACTIVITY: NO	ACUTE: YES
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313 Reportable Ingredients (Component, CAS#, Max %) :

Piperonyl butoxide, 000051-03-6, 5.0

d-Phenothrin (Sumithrin®), 026002-80-2, 5.00

302/304 Emergency Planning

Emergency Plan: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

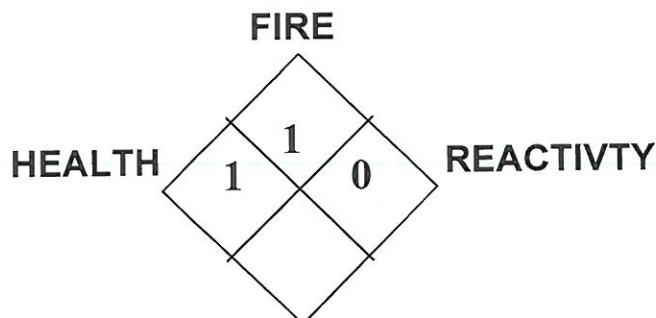
There are no components that are subject to emergency requirements under CERCLA Section 103(a) (40 CFR 302.4) in this formulation.

TSCA (Toxic Substance Control Act)

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

State Regulations

Volatile Organic Compounds (VOC): This product contains less than 1% VOCs.



NFPA Code Key

4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

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